FIG.1

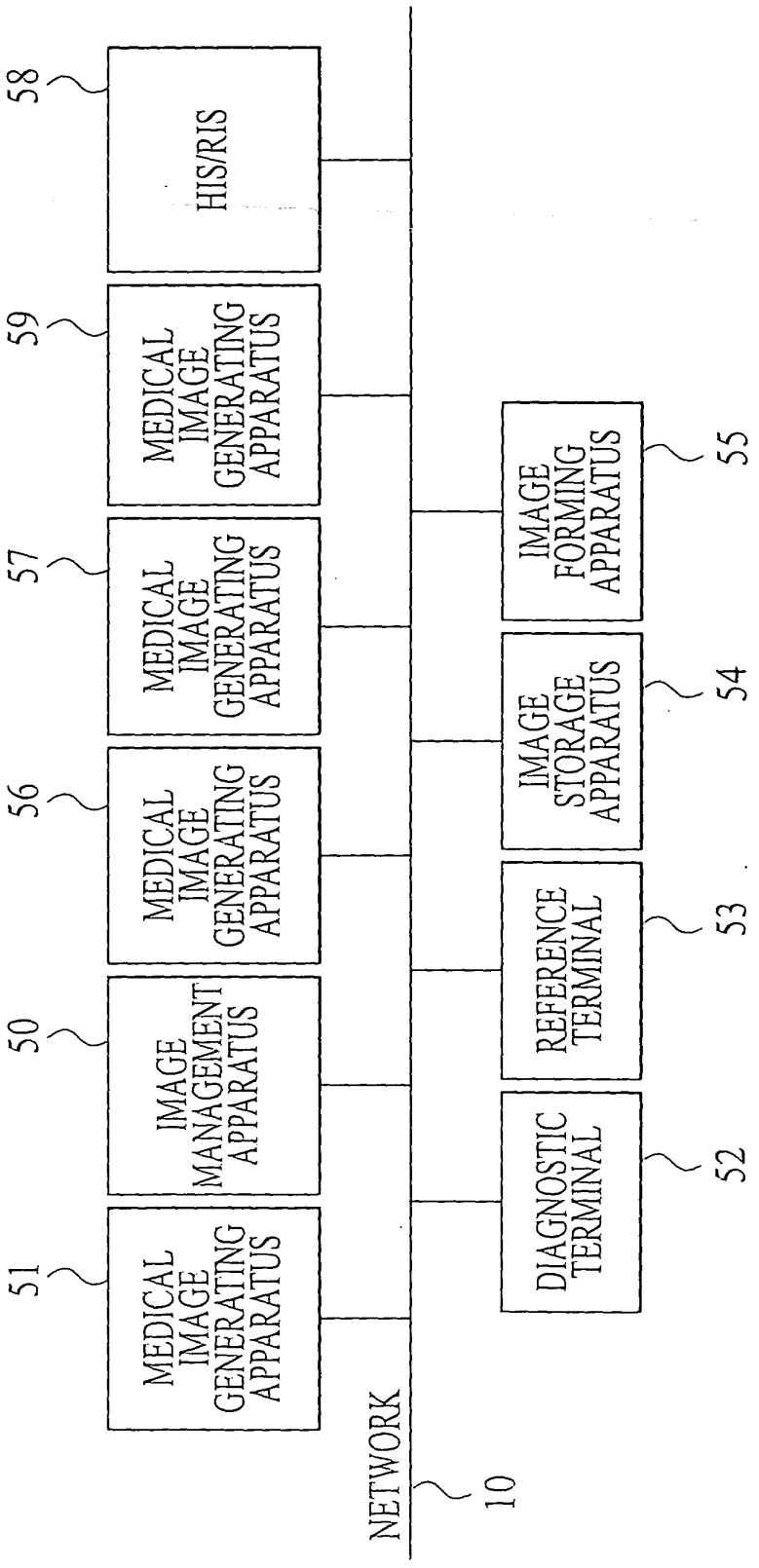

NETWORK
10
MEDICAL IMAGE GENERATING APPARATUS
51
IMAGE MANAGEMENT APPARATUS
50
MEDICAL IMAGE GENERATING APPARATUS
56
MEDICAL IMAGE GENERATING APPARATUS
57
MEDICAL IMAGE GENERATING APPARATUS
59
HIS/RIS
58
DIAGNOSTIC TERMINAL
52
REFERENCE TERMINAL
53
IMAGE STORAGE APPARATUS
54
IMAGE FORMING APPARATUS
55

FIG. 2

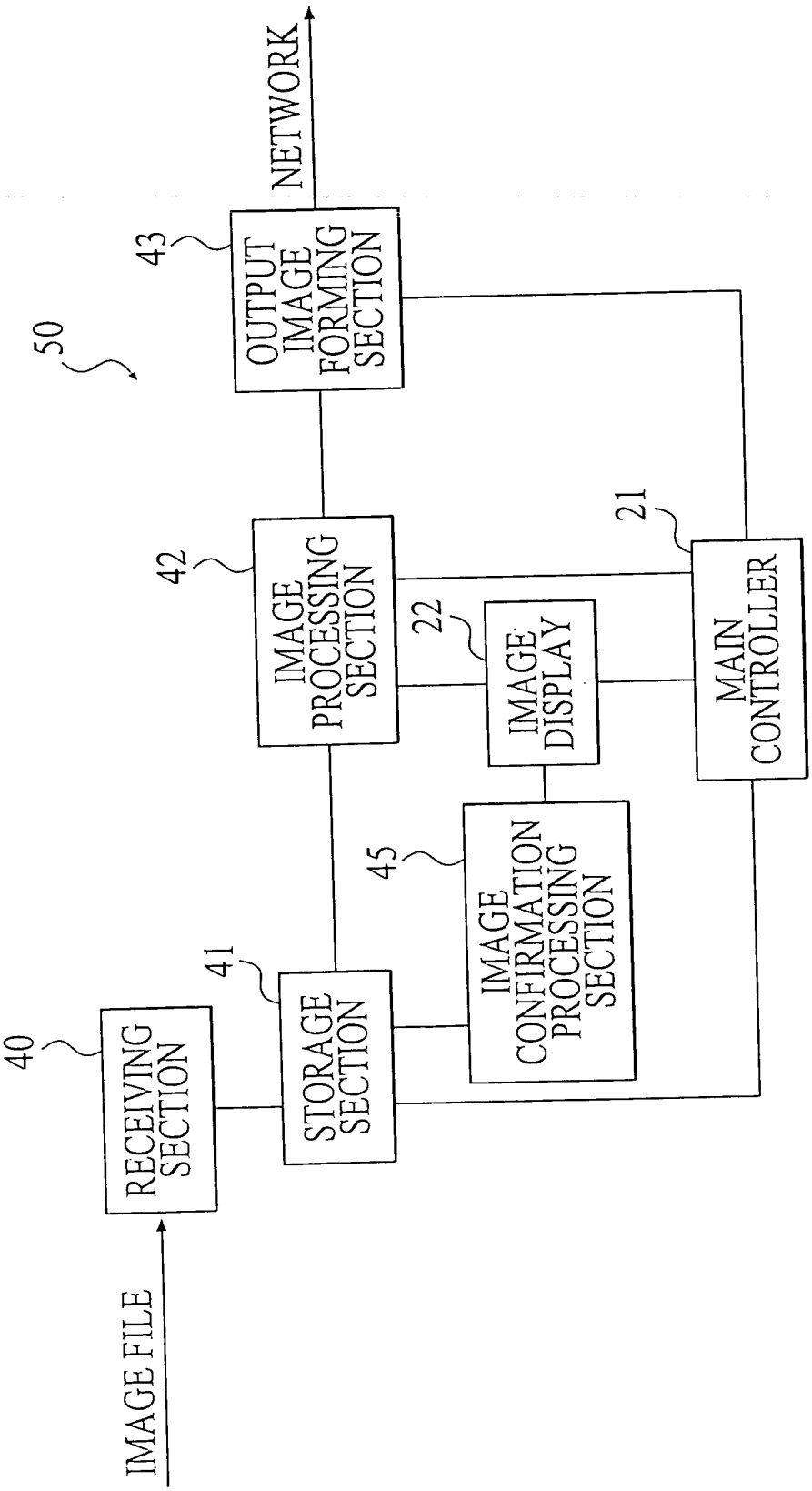


IMAGE FILE
40
RECEIVING SECTION
41
STORAGE SECTION
45
IMAGE CONFIRMATION PROCESSING SECTION
22
IMAGE DISPLAY
42
IMAGE PROCESSING SECTION
21
MAIN CONTROLLER
50
43
OUTPUT IMAGE FORMING SECTION
NETWORK

FIG.3

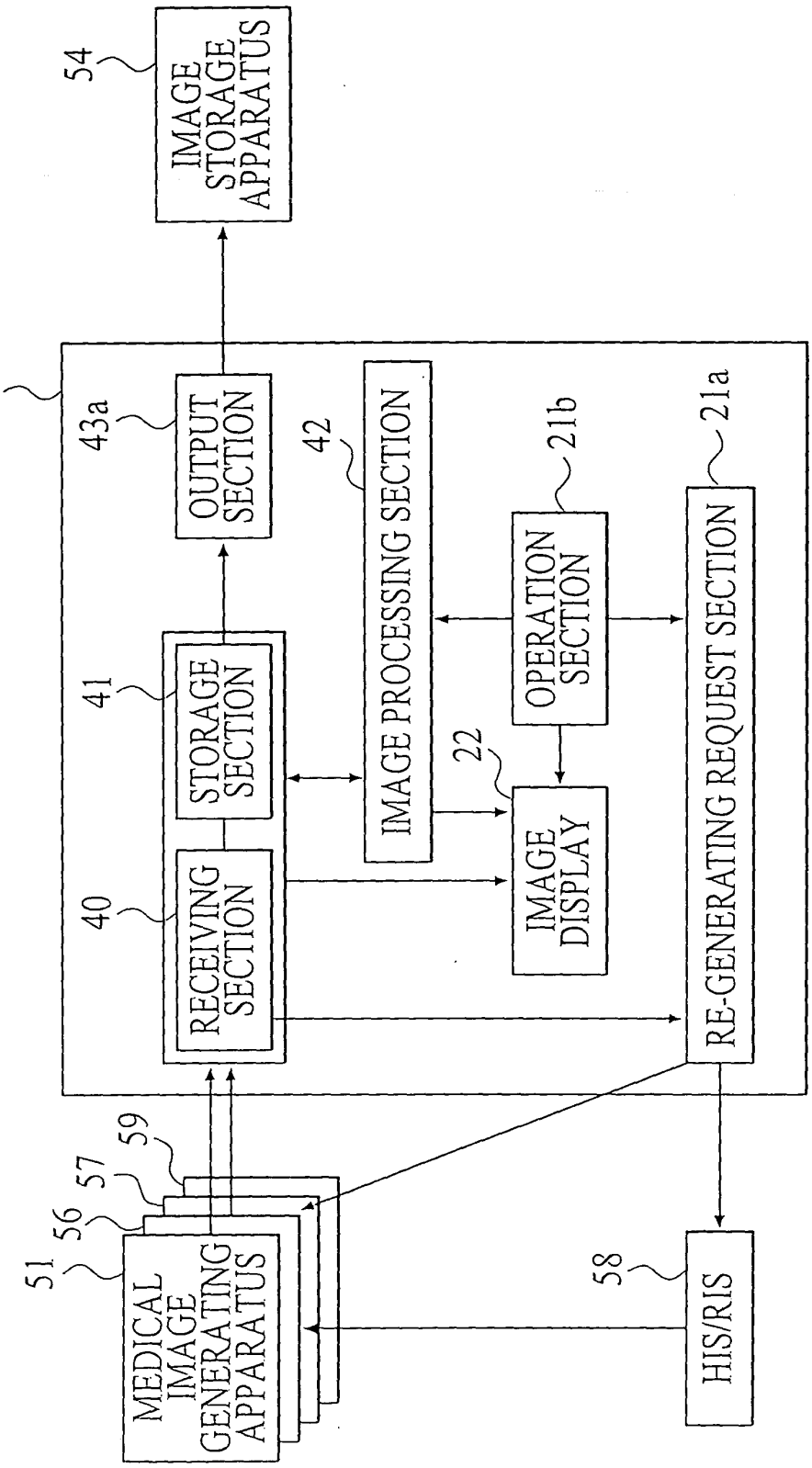

54
IMAGE STORAGE APPARATUS
50
43a
OUTPUT SECTION
42
IMAGE PROCESSING SECTION
21b
OPERATION SECTION
21a
41
STORAGE SECTION
22
40
RECEIVING SECTION
IMAGE DISPLAY
RE-GENERATING REQUEST SECTION
59
57
56
51
MEDICAL IMAGE GENERATING APPARATUS
58
HIS/RIS

FIG.4A

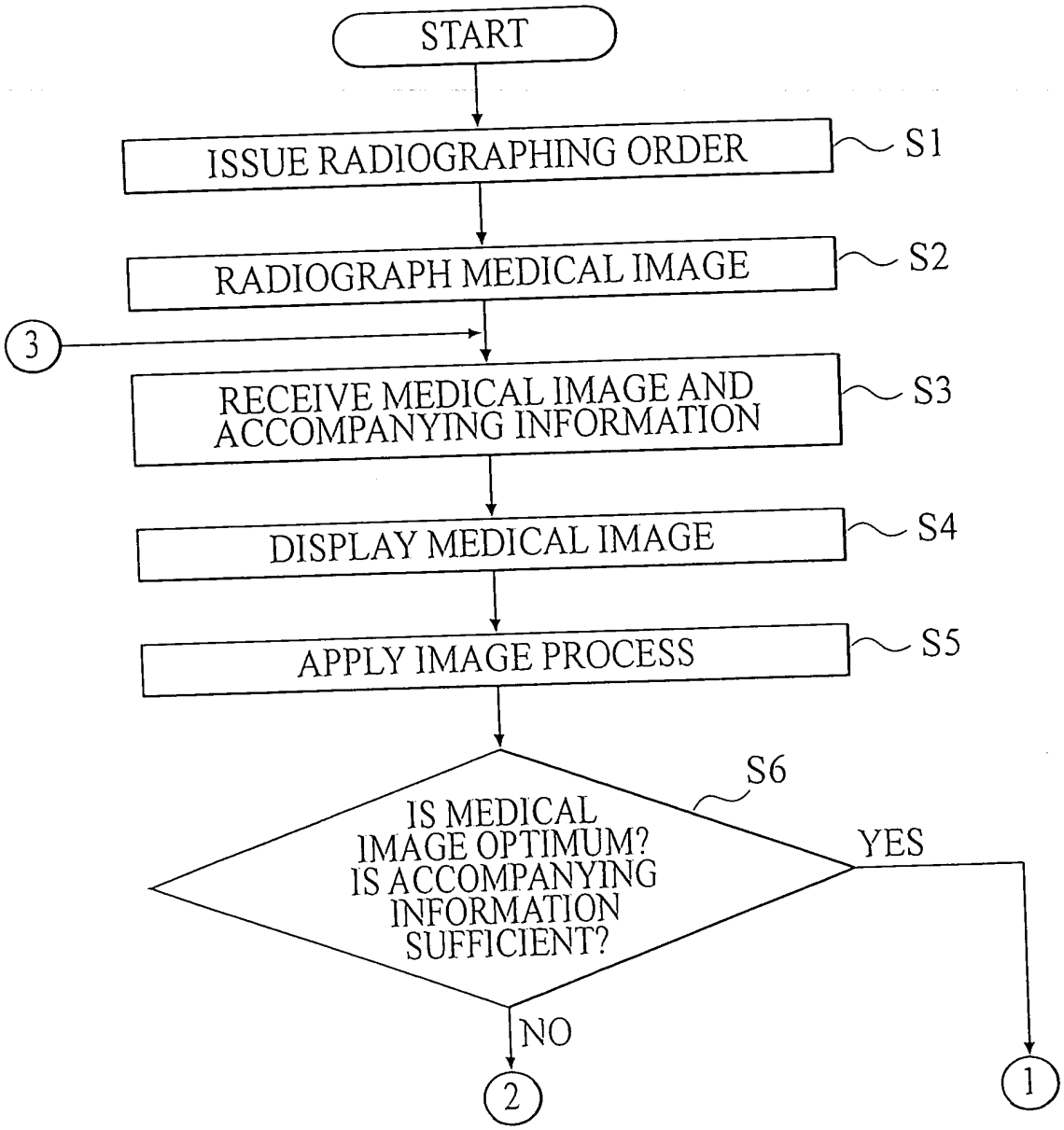
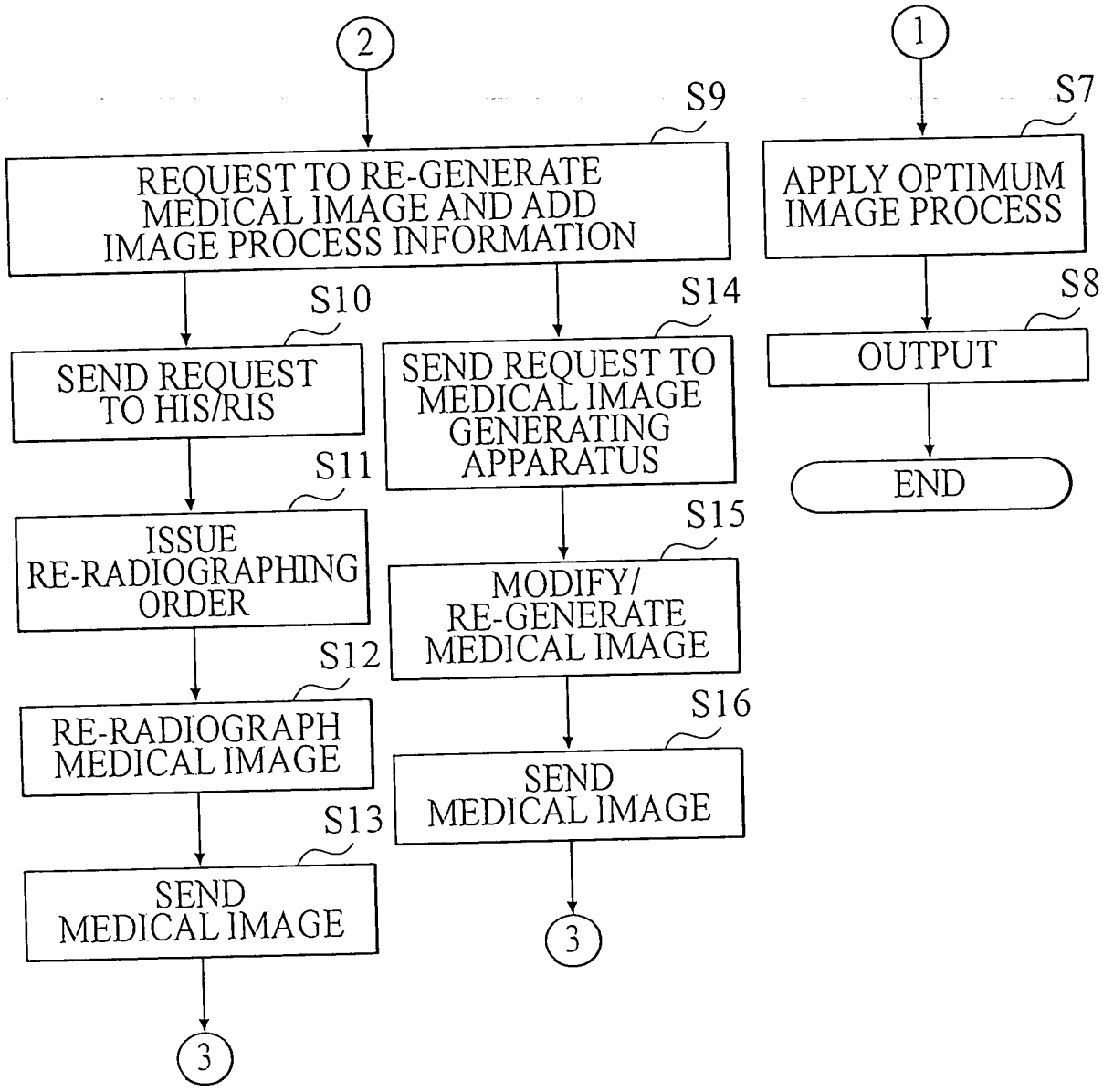

START
ISSUE RADIOGRAPHING ORDER
S1
RADIOGRAPH MEDICAL IMAGE
S2
3
RECEIVE MEDICAL IMAGE AND ACCOMPANYING INFORMATION
S3
DISPLAY MEDICAL IMAGE
S4
APPLY IMAGE PROCESS
S5
S6
IS MEDICAL IMAGE OPTIMUM? IS ACCOMPANYING INFORMATION SUFFICIENT?
YES
NO
2
1

FIG.4B


2
S9
REQUEST TO RE-GENERATE MEDICAL IMAGE AND ADD IMAGE PROCESS INFORMATION
S10
SEND REQUEST TO HIS/RIS
S11
ISSUE RE-RADIOGRAPHING ORDER
S12
RE-RADIOGRAPH MEDICAL IMAGE
S13
SEND MEDICAL IMAGE
3
S14
SEND REQUEST TO MEDICAL IMAGE GENERATING APPARATUS
S15
MODIFY/ RE-GENERATE MEDICAL IMAGE
S16
SEND MEDICAL IMAGE
3
1
S7
APPLY OPTIMUM IMAGE PROCESS
S8
OUTPUT
END